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CLAIMS

*Sub A1*

1 A gas turbine engine afterburner igniter comprising fuel duct means for injecting a jet of fuel into a gas stream directed into a combustion chamber characterised in that moveable resilient means is provided within said fuel duct means such that during operation said resilient means moves relative to said duct means due to the passage of fuel within said fuel duct so as to abrade at least some of the internal surface of the bore of said duct.

a 2 A gas turbine engine afterburner as claimed in claim 1 characterised in that said resilient means is a spring.

a 3 A gas turbine engine afterburner as claimed in claim 2 characterised in that said spring length is shorter than the length of the bore of said fuel duct means.

a 4 A gas turbine engine afterburner as claimed in claim 1 characterised in that movement of said spring relative to said duct, is in one direction dependent upon the passage of fuel flow through said bore and movement relative to said duct in another direction is dependent upon gravity.

a 5 A gas turbine engine afterburner as claimed in claim 2 characterised in that said spring is provided with a low friction coating.

a 6 A gas turbine engine afterburner as claimed in claim 1 characterised in that the internal surface of said bore of said duct is provided with a low friction coating.

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